

Rebranded Ethernet Consortium Announces 800GbE Spec

Written by Frederick Douglas
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The 25 Gigabit Ethernet Consortium, the entity behind the 25, 50 and 100Gbps ethernet specifications, rebrands to the Ethernet Technology Consortium (ETC) and announces the next networking standard, 800 Gigabit Ethernet (GbE).



“Ethernet is evolving very quickly and as a group, we felt that having 25G in the name was too constraining for the scope of the consortium,” the organisation says. “We wanted to open that up so that the industry could have an organisation that could enhance ethernet specifications for new and developing markets.”

The 800GBASE-R specification for 800GbE brings a new media access control (MAC) and Physical Coding Sublayer (PCS) by re-purposing two sets of existing 400GbE logic from the IEEE 802.3bs standard with a few modification. This allows it to distribute data across eight 106Gb/s physical lanes. Since the PCS is reused, the standard RS(544, 514) forward error correction is retained for compatibility with existing physical layer specifications.

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Interested parties can download the full 800GbE specification from the ETC website.

Go [25 Gigabit Ethernet Consortium Rebrands to Ethernet Technology Consortium, Announces 800 Gigabit Ethernet \(GbE\) Specification](#)